## CLAIMS

1	1. A method in a computer system for presenting data relating to selection
2	of a compression train, the method comprising:
3	receiving from a user a configuration data set that specifies operating
4	conditions for a compression train;
5	sending the configuration data set to the calculation engine;
6	receiving from the calculation engine a proposed configuration for the
7	compression train developed based on the sent configuration data set;
8	sending to the user a display page indicating the proposed configuration; and
9	receiving from the user a request for a quotation for the proposed
10	configuration.
1	2. The method of claim 1 wherein a computer of the user is connected to
2	the computer system via the Internet.
1	3. The method of claim 1 wherein the display page is a web page.
1	4. The method of claim 1 including
2	receiving from the user a layout design for the proposed configuration; and
3	sending to the user a display page illustrating the received layout design.
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1	5. The method of claim 1 wherein the computer system allows the user to
2	group configuration data sets into projects.
1	6. The method of claim 1 wherein the configuration data set includes
2	environmental conditions, driver specifications, and compression data.
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1	7. The method of claim 6 wherein the environmental conditions include
2	design pressure and design temperature.
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The method of claim 6 wherein the driver specification includes driver 8. 1 type, gas turbine data, and compressor speed. 2 The method of claim 6 wherein the driver specification includes fuel gas 9. 1 composition. 2 The method of claim 6 wherein the compression data includes suction 10. 1 pressure, discharge pressure, and suction temperature. 2 The method of claim 6 wherein the compression data includes process 11. 1 gas composition. 2 The method of claim 1 wherein the operating conditions include 12. 1 compressor options. 2 The method of claim 12 wherein the compressor options include casing 13. 1 type. 14. The method of claim 12 wherein the compressor options include stage 1 2 compression ratios. The method of claim 1 wherein the operating conditions include 15. 1 interstage data. 2 The method of claim 1 wherein the interstage data includes interstage 16. 1 pressure drops and interstage discharge pressures. 2 17. The method of claim 1 wherein the proposed configuration includes 1

indications of driver target, gear box, or one or more compression casings.

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- 1 18. The method of claim 1 wherein the proposed configuration includes 2 indications of discharge pressure, discharge temperature, and number of stages.
- 1 19. The method of claim 1 wherein the proposed configuration includes indications of actual discharge flow, power margin, and absorbed power at driver shaft.
  - 20. A computer system for presenting data relating to selection of a compression train, comprising:
  - a list projects component for managing a list of projects, each project having one or more configuration data sets that each specify a configuration data set having operating conditions for a compression train;
  - a new configuration component for specifying a configuration data set, for receiving a proposed configuration automatically generated based on a specified configuration data set, and for providing the proposed configuration to a user; and
  - a new request for configuration and quote component for specifying a configuration data set and for sending the specified configuration data set for manual determination of a proposed configuration.
  - 21. The method of claim 20 including a layout component for receiving from a user a layout of a proposed configuration and for displaying a representation of the layout to the user.

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